

Listing of Claims:

Please amend claim 2 and cancel 3, without prejudice or disclaimer of the subject matter thereof, as follows:

Claim 1 (canceled)

Claim 2 (currently amended): A method for manufacturing an interlayer dielectric layer, ~~the method comprising the steps of:~~

a) setting an active matrix provided with a substrate and interconnections formed on the substrate in a chamber;

b) spraying a silicon source material and hydrogen peroxide (H_2O_2) in a gaseous state on the active matrix at a temperature ranging from approximately $-20\text{ }^{\circ}\text{C}$ to approximately $600\text{ }^{\circ}\text{C}$; and

c) forming the interlayer dielectric layer on the active matrix by a condensation reaction of the silicon source material and the H_2O_2 without performing a post thermal treatment,

wherein the silicon source material includes a tetra-ethyl-ortho-silicate (TEOS) or a modified TEOS which is substituted for the TEOS by substituting one of four C_2H_5OH groups in the TEOS with a group of CH_3 or F.

Claim 3 (canceled)

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Claim 4 (previously presented): The method as recited in claim 2, wherein the step of spraying a silicon source material includes supplying simultaneously an inert gas when the silicon source material and the hydrogen peroxide (H_2O_2) are supplied into a flow rate controller.

Claim 5 (previously presented): The method as recited in claim 2, wherein the step of spraying a silicon source material includes supplying simultaneously an inert gas when the silicon source material and the hydrogen peroxide (H_2O_2) are supplied into a distributor in the chamber.

Claim 6 (original): The method as recited in claim 2, wherein the step of forming an interlayer dielectric layer includes adding to the hydrogen peroxide (H_2O_2) and tetra-ethyl-ortho-silicate (TEOS)

Claim 7 (previously presented): The method as recited in claim 2, wherein a pressure in the chamber ranges from approximately 1 Torr to approximately 2 Torr.

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